

TECTIQ half cylinder CH

Art.-Nr. TEC-Z-CH-HZ

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SIMPLE. ACCESS. ORGANISATION.

With the digital TECTIQ locking system.

The electronic TECTIQ locking cylinder with RFID reader grants people access on the locking medium (transponder, card) according to their permission level. Data exchange is encrypted and protected against readout (MIFARE® DESFire®). The battery-operated door component requires no external cabling or radio connection.

Validation/update

ABUS TECTIQ stores permissions and events on the RFID locking medium (Data-on-Card) and exchanges data wirelessly with the cylinder or the system. The optical illuminated ring signals to users whether they are authorised to access the system.

Elegant design, top quality

With its clear design and knob caps (RFID reader unit) in black or grey, the robust, high-quality cylinder with IP67 and stainless steel look is suitable for any door and surface.

Custom cylinder length

The half cylinder is suitable for exterior and interior doors with door leaves 32.5 to 57.5 mm thick. Can be ordered in fixed lengths in 5 mm increments to adjust length to individual conditions.

Wide range of variants

Available in different versions: with reader on the outside or on both sides (e.g. for connecting doors), as a double knob, half cylinder or padlock.

Technologies

- Electronic TECTIQ Half cylinder (Switzerland round) for secure yet simple and flexible installation on doors (e.g. single-sided profile cylinder perforation), key switches or garage doors
- High-quality finish Half cylinder with stainless steel outside knob and continuous stainless steel look, in a discreet purist design line; highly weather-resistant in the standard version (IP67)
- TECTIQ cylinder with RFID reader for secure, readout-protected Data exchange with TECTIQ locking media (MIFARE® DESFire®); with free-running exterior knob: no access without authentication
- The cylinder can be programmed via Bluetooth with the TECTIQ Admin app and, for example, receive a new time or

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the latest firmware update

- Elegant design in different Design variants to match the style of your building thanks to different colours and knobs
- Replace the cylinder instead of the fitting: convert a mechanical to an electronic cylinder at a favourable price and integrate the door into the TECTIQ locking system (simple cylinder replacement using a screw)
- Tested, certified quality: EN 15684 and fire protection T30

Technical data - TECTIQ half cylinder CH

Administration	TECTIQ Access Manager
Area of application	Doors, garage doors, key switches
Backset	≥ 30 mm (round knob)/ ≥ 35 mm (square knob)
Backup power supply	Yes, Micro USB
Battery - runtime	At 20 °C (room temperature): up to 60,000 cycles or 3.5 years if not actuated
Battery - type	VARTA Lithium battery 3V CR2/CR15H270/6206
Battery compartment	In knob
Battery warning stages	2 levels
Bluetooth version	5.1
Certifications	EN 15684:2020 1-6-B-4-x-D-4-A/D
Colour	knob: brushed stainless steel black or grey Cylinder body: brushed stainless steel
Corrosion protection	According to EN 1670 class 3/EN 15684 class 4
Custom lengths	Yes, on request
Cylinder profiles	Swiss round
Design	Half cylinder
Dimensions	knob: L = 48 mm, Ø = 38 mm
Drill protection	Security (EN 15684 Ziffer 8 Klasse D)
Extension steps	5 mm
Factory reset	Yes
Fatigue strength	> 200.000 cycles (EN 15684:2020 class 6, EN 179)
Humidity	20-99 % non-condensing according to EN 15684 class 4
IP protection class	67
Item abbreviation	TEC-Z-CH-HZ
Material	cap: stainless steel, plastic Cylinder body: brass
Max. blacklist number	120
Max. operating temperature	65 °C
Max. outside length	57,5 mm
Min. operating temperature	-25 °C
Min. outside length	32,5 mm
Opening time can be set	Yes (6/12 Sec)
Outside knob variants	Square Round

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Technical data - TECTIQ half cylinder CH

Programming	TECTIQ System Cards, TECTIQ Admin App
Programming technology	RFID (13.56 MHz) Bluetooth (2.4 GHz)
RFID frequency	13,56 MHz
RFID range	≤ 1 cm
RFID technology	MIFARE® DESFire® EV1, EV2, EV3
Real-time clock (RTC)	Yes
Security features	Freely rotating outside knob to prevent unauthorized access, engagement only when an authorised locking medium is presented, predetermined breaking point on outside knob, drilling protection
Signalling	Visual
Special functions	Office Mode
Storage type	Ring memory: 890 events
Transmission power	-4 dBm
Transponder conformity	Passive-Transponder ISO 14443 A (MIFARE® DESFire®)
Transponder encryption	AES 128-Bit
Update capability	Yes (USB Updater Cable Admin App)
Wireless conformity	ETSI EN 300 328
Wireless encryption	AES 128-Bit
Wireless standard	Bluetooth Low Energy 2,4 GHz